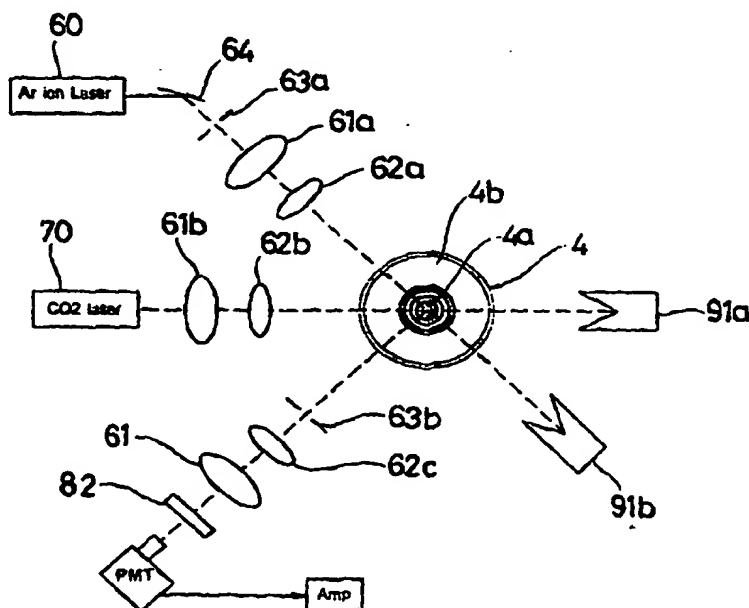




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> : <b>C03B 37/012</b>	<b>A1</b>	(11) International Publication Number: <b>WO 00/44679</b> (43) International Publication Date: 3 August 2000 (03.08.00)
<p>(21) International Application Number: PCT/KR00/00049</p> <p>(22) International Filing Date: 22 January 2000 (22.01.00)</p> <p>(30) Priority Data: 1999/2613 27 January 1999 (27.01.99) KR</p> <p>(71)(72) Applicant and Inventor: CHOI, Man, Soo [KR/KR]; 302-608 Wooseong Apt., 102 (3/5) Sadang-dong, Dong-jak-gu, Seoul 156-090 (KR).</p> <p>(72) Inventor; and (75) Inventor/Applicant (for US only): LEE, Dong, Geun [KR/KR]; 1101-301 Jugong Apt., 71 Jungang-dong, Gwacheon-city, Kyungki-do 427-010 (KR).</p> <p>(74) Agent: LEE, Young, Pil; The Cheonghwa Building, 1571-18 Seocho-dong, Seocho-gu, Seoul 137-073 (KR).</p>		<p>(81) Designated States: DE, FI, JP, US.</p> <p><b>Published</b> <i>With international search report.</i></p>

(54) Title: METHODS FOR MANUFACTURING AND DEPOSITING FINE PARTICLES COMBINING FLAME AND LASER BEAM



## (57) Abstract

A method of manufacturing fine particles containing metallic and ceramic fine powder, glass fine powder and composite fine powder, includes the steps of supplying reactants into a burner forming a flame, generating particles from the reactants in the flame of the burner, and irradiating at least one laser beam into the particles generated in the flame to thereby heat and sinter the particles.